

IN THE CLAIMS

Please amend the claims as follows:

1.-15. (Canceled)

16. (Currently Amended) A method comprising:

determining that interference mitigation should be performed for wireless circuitry to reduce interference generated by an interconnect; and

adjusting at least one transmission characteristic associated with said interconnect in response to said determination to reduce said interference generated by said interconnect;

wherein adjusting includes initially changing a data rate of said interconnect from a first rate to a second rate in response to said determination and then changing said data rate from said second rate back to said first rate a predetermined time period later.

17. (Original) The method of claim 16, wherein:

determining includes determining that an error rate associated with said wireless circuitry meets a predetermined criterion.

18. (Original) The method of claim 16, wherein:

determining includes determining that a wireless communication range of said wireless circuitry meets a predetermined criterion.

19. (Original) The method of claim 16, wherein:

determining includes determining that a throughput associated with said wireless circuitry meets a predetermined criterion.

20. (Currently Amended) The method of claim 16, wherein:

~~adjusting includes adjusting a data rate of said interconnect~~determining includes detecting interference energy that exceeds a predetermined level.

21.-23. (Canceled)

24. (Original) The method of claim 16, wherein:
adjusting includes adjusting a slew rate of said interconnect.

25. (Original) The method of claim 16, wherein:
adjusting includes selecting at least one new transmission characteristic value for use
with said interconnect based on a wireless application presently being executed.

26.-36. (Canceled)

37. (New) A method comprising:
determining that interference mitigation should be performed for wireless circuitry to
reduce interference generated by an interconnect; and
adjusting at least one transmission characteristic associated with said interconnect in
response to said determination to reduce said interference generated by said interconnect;
wherein said interconnect is a PCI Express interconnect and adjusting includes extracting
a data rate identifier from a PCI Express training sequence and using said data rate identifier to
determine a new data rate for said interconnect.

38. (New) The method of claim 37, wherein:
determining includes determining that an error rate associated with said wireless circuitry
meets a predetermined criterion.

39. (New) The method of claim 37, wherein:
determining includes determining that a wireless communication range of said wireless
circuitry meets a predetermined criterion.

40. (New) The method of claim 37, wherein:

determining includes determining that a throughput associated with said wireless circuitry meets a predetermined criterion.

41. (New) The method of claim 37, wherein:

determining includes detecting interference energy that exceeds a predetermined level.

42. (New) The method of claim 37, wherein:

adjusting includes adjusting a slew rate of said interconnect.

43. (New) The method of claim 37, wherein adjusting includes:

determining from said data rate identifier whether a source of said PCI Express training sequence supports a wireless extension data rate;

using said wireless extension data rate on said PCI Express interconnect when said source of said PCI Express training sequence and a recipient of said PCI Express training sequence both support said wireless extension data rate; and

identifying a highest data rate supported by both said source and said recipient of said PCI Express training sequence when said source does not support said wireless extension data rate.

44. (New) A method comprising:

determining that interference mitigation should be performed for wireless circuitry to reduce interference generated by an interconnect; and

adjusting at least one transmission characteristic associated with said interconnect in response to said determination to reduce said interference generated by said interconnect;

wherein said interconnect is a PCI Express interconnect and adjusting includes sending a handshake message requesting a new data rate using a PCI Express messaging protocol.

45. (New) The method of claim 44, wherein:

determining includes determining that an error rate associated with said wireless circuitry meets a predetermined criterion.

46. (New) The method of claim 44, wherein:

determining includes determining that a wireless communication range of said wireless circuitry meets a predetermined criterion.

47. (New) The method of claim 44, wherein:

determining includes determining that a throughput associated with said wireless circuitry meets a predetermined criterion.

48. (New) The method of claim 44, wherein:

determining includes detecting interference energy that exceeds a predetermined level.

49. (New) The method of claim 44, wherein:

adjusting includes adjusting a slew rate of said interconnect.

50. (New) The method of claim 44, wherein:

adjusting includes sending another handshake message requesting a different new data rate, using a PCI Express messaging protocol, when a negative response is received to a previous handshake message.

51. (New) An apparatus comprising:

means for determining whether interference mitigation should be performed for wireless circuitry to reduce interference generated by an interconnect; and

means for adjusting at least one transmission characteristic associated with said interconnect in response to a determination to reduce said interference generated by said interconnect;

wherein said means for adjusting initially changes a data rate of said interconnect from a first rate to a second rate in response to said determination and then changes said data rate from said second rate back to said first rate a predetermined time period later.

52. (Original) The apparatus of claim 51, wherein:

said means for adjusting also adjusts a slew rate of said interconnect in response to said determination.

53. (Original) The apparatus of claim 51, wherein:

said means for adjusting includes means for selecting at least one new transmission characteristic value for use with said interconnect based on a wireless application presently being executed.

54. (New) An apparatus comprising:

means for determining whether interference mitigation should be performed for wireless circuitry to reduce interference generated by an interconnect; and

means for adjusting at least one transmission characteristic associated with said interconnect in response to a determination to reduce said interference generated by said interconnect;

wherein said interconnect is a PCI Express interconnect and said means for adjusting includes means for extracting a data rate identifier from a PCI Express training sequence and means for using said data rate identifier to determine a new data rate for said interconnect.

55. (New) The apparatus of claim 54, wherein:

said means for adjusting further includes means for adjusting a slew rate of said interconnect in response to said determination.

56. (New) The apparatus of claim 54, wherein said means for adjusting includes:

means for determining from said data rate identifier whether a source of said PCI Express training sequence supports a wireless extension data rate;

means for using said wireless extension data rate on said PCI Express interconnect when said source of said PCI Express training sequence and a recipient of said PCI Express training sequence both support said wireless extension data rate; and

means for identifying a highest data rate supported by both said source and said recipient of said PCI Express training sequence when said source does not support said wireless extension data rate.

57. (New) An apparatus comprising:

means for determining whether interference mitigation should be performed for wireless circuitry to reduce interference generated by an interconnect; and

means for adjusting at least one transmission characteristic associated with said interconnect in response to a determination to reduce said interference generated by said interconnect;

wherein said interconnect is a PCI Express interconnect and said means for adjusting includes means for sending a handshake message requesting a new data rate using a PCI Express messaging protocol.

58. (New) The apparatus of claim 57, wherein:

said means for adjusting further includes means for adjusting a slew rate of said interconnect in response to said determination.

59. (New) The apparatus of claim 57, wherein:

said means for adjusting includes means for sending another handshake message requesting a different new data rate, using a PCI Express messaging protocol, when a negative response is received to a previous handshake message.